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FIG.1

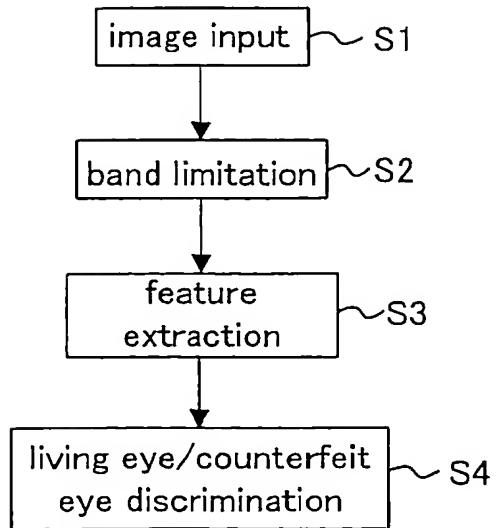
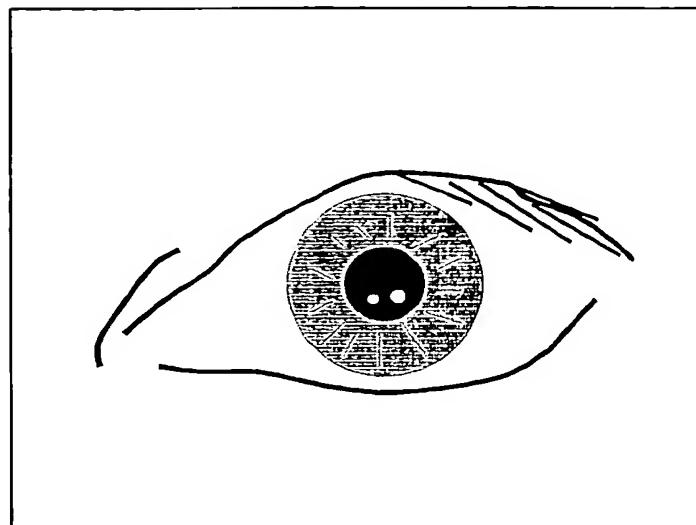


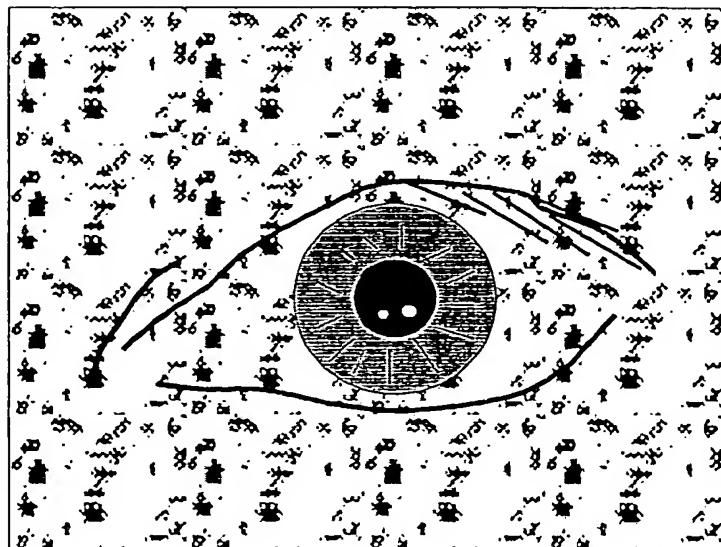
FIG.2



Living eye image

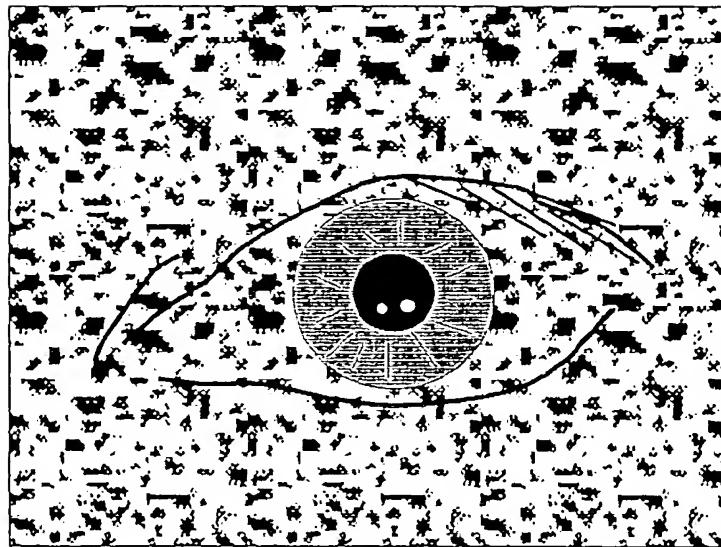
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FIG.3



Counterfeit eye image (paper-type 1)

FIG.4



Counterfeit eye image (paper-type 2)

FIG.5

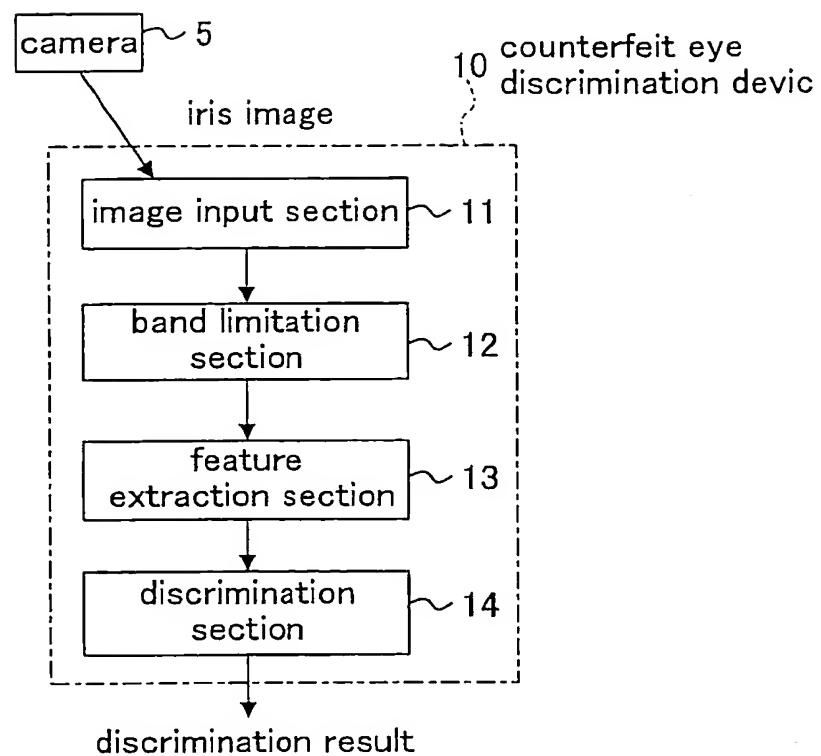
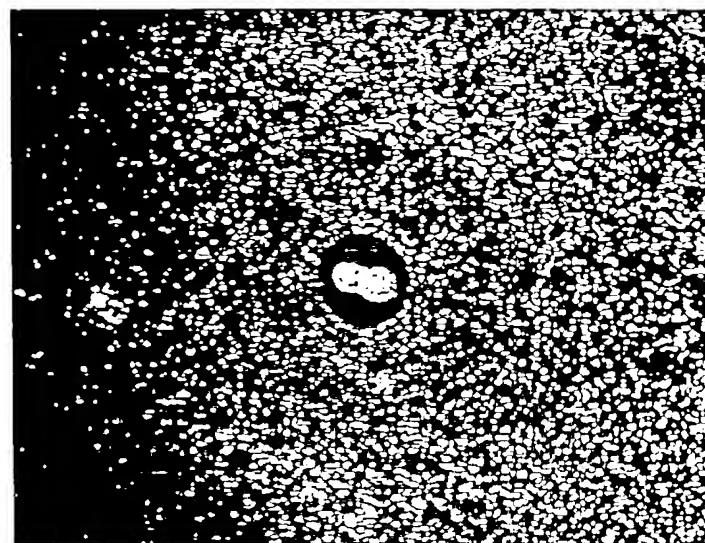


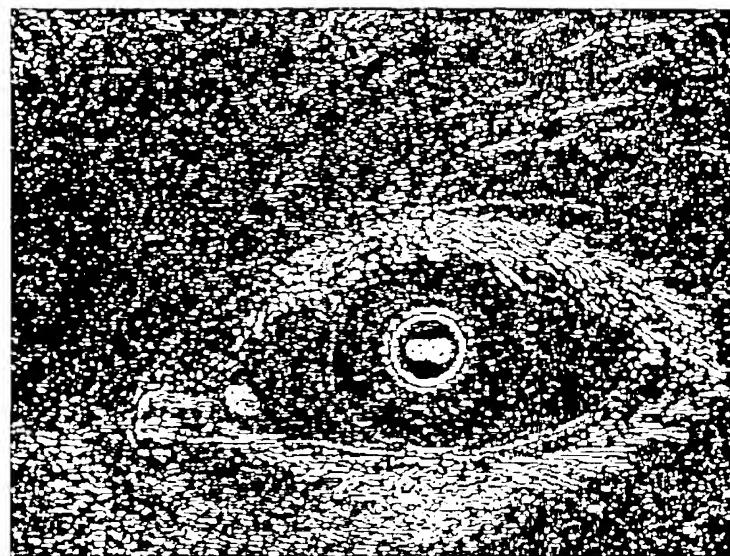
FIG.8



Band-pass filtered output of counterfeit eye image
(paper-type 2)

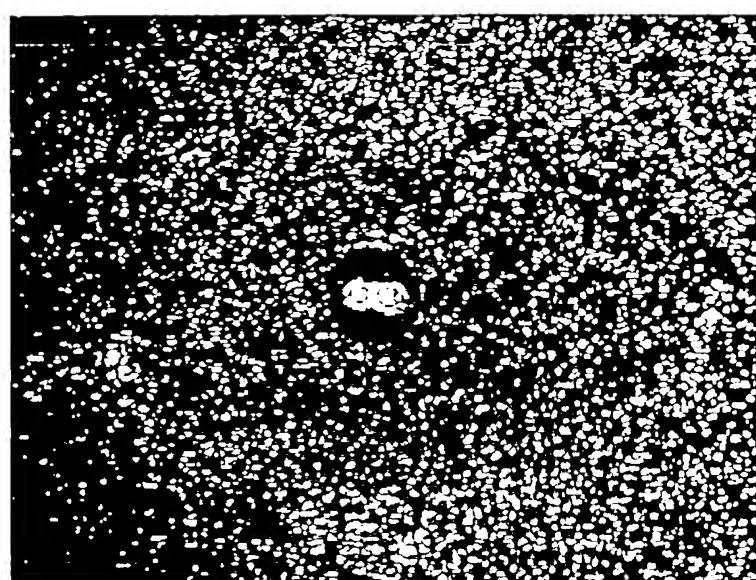
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FIG.6



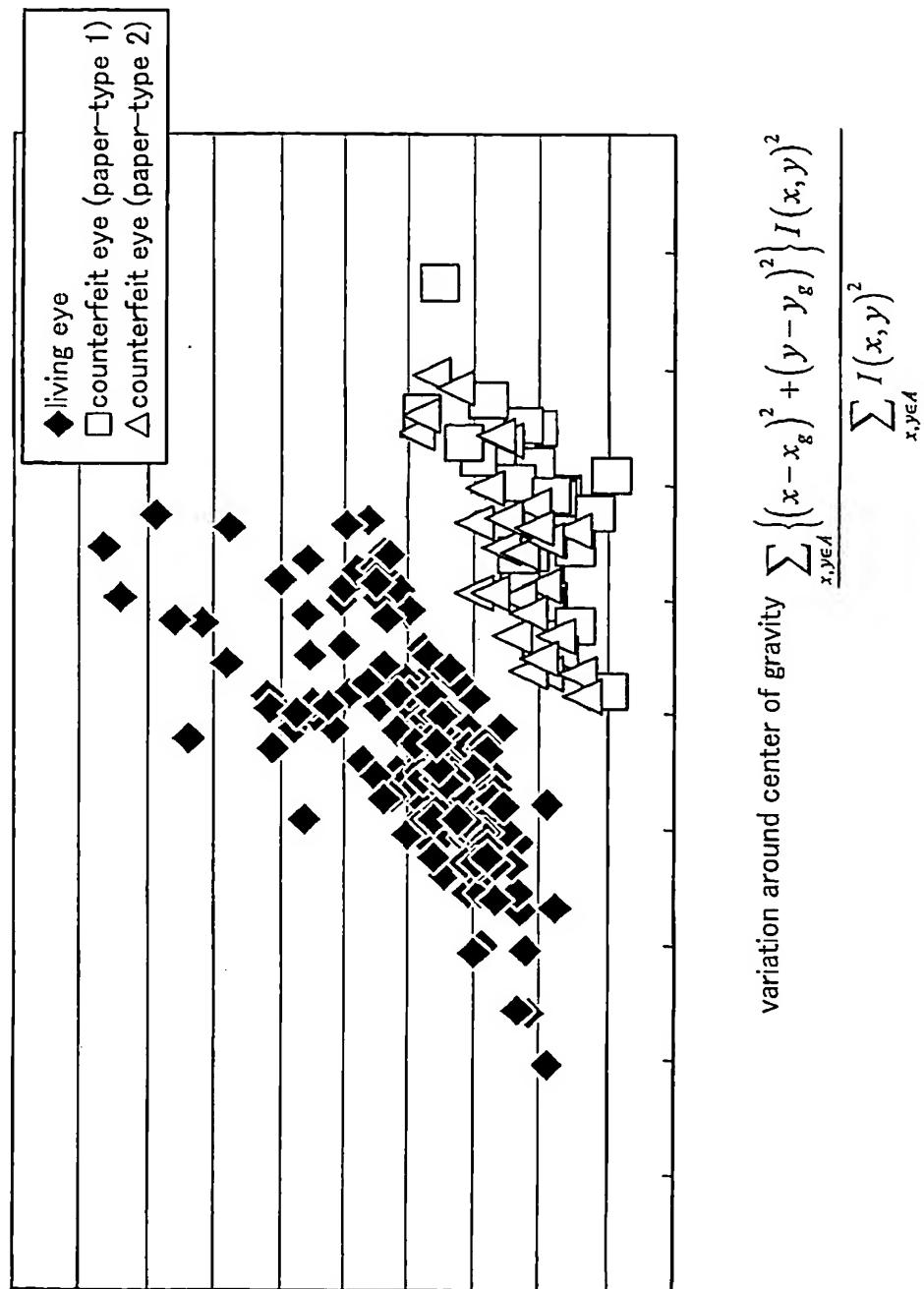
Band-pass filtered output of living eye image

FIG.7



Band-pass filtered output of counterfeit eye image
(paper-type 1)

FIG.9



Variance of filtered output G^2

$$\frac{\sum_{x,y \in A} \left\{ (x - x_g)^2 + (y - y_g)^2 \right\} I(x,y)^2}{\sum_{x,y \in A} I(x,y)^2}$$

FIG.10

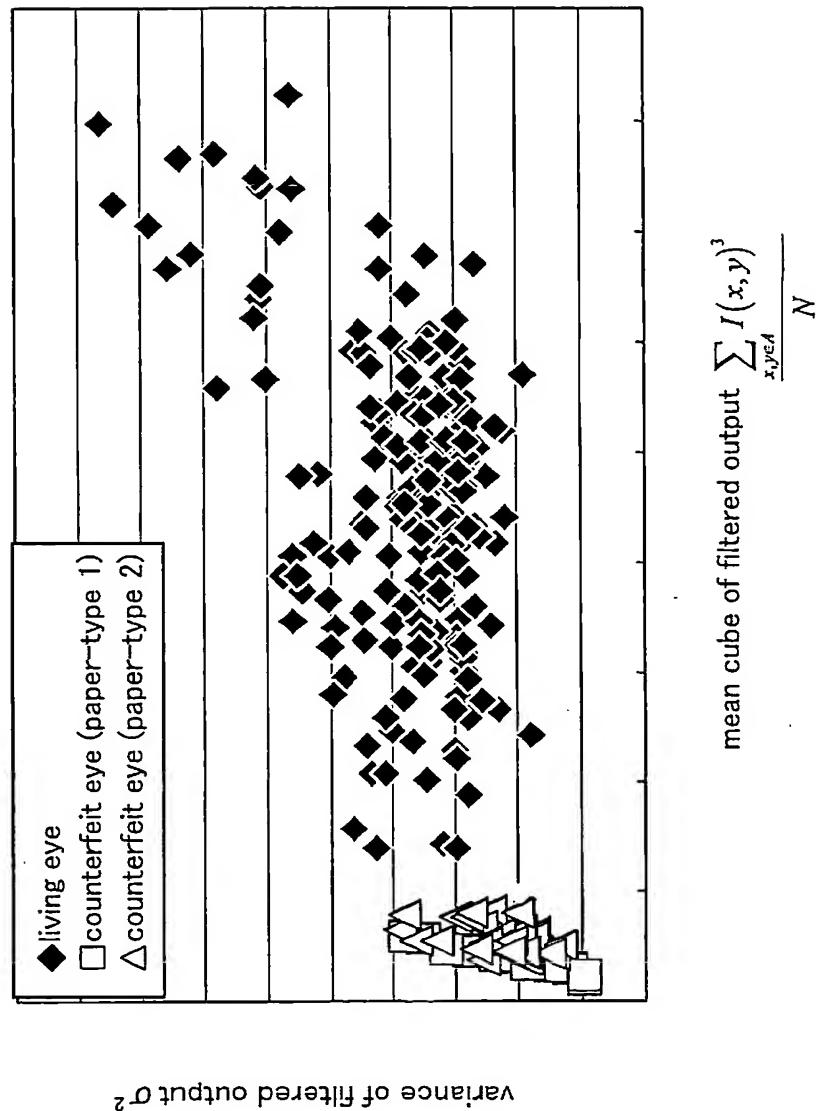


FIG. 11

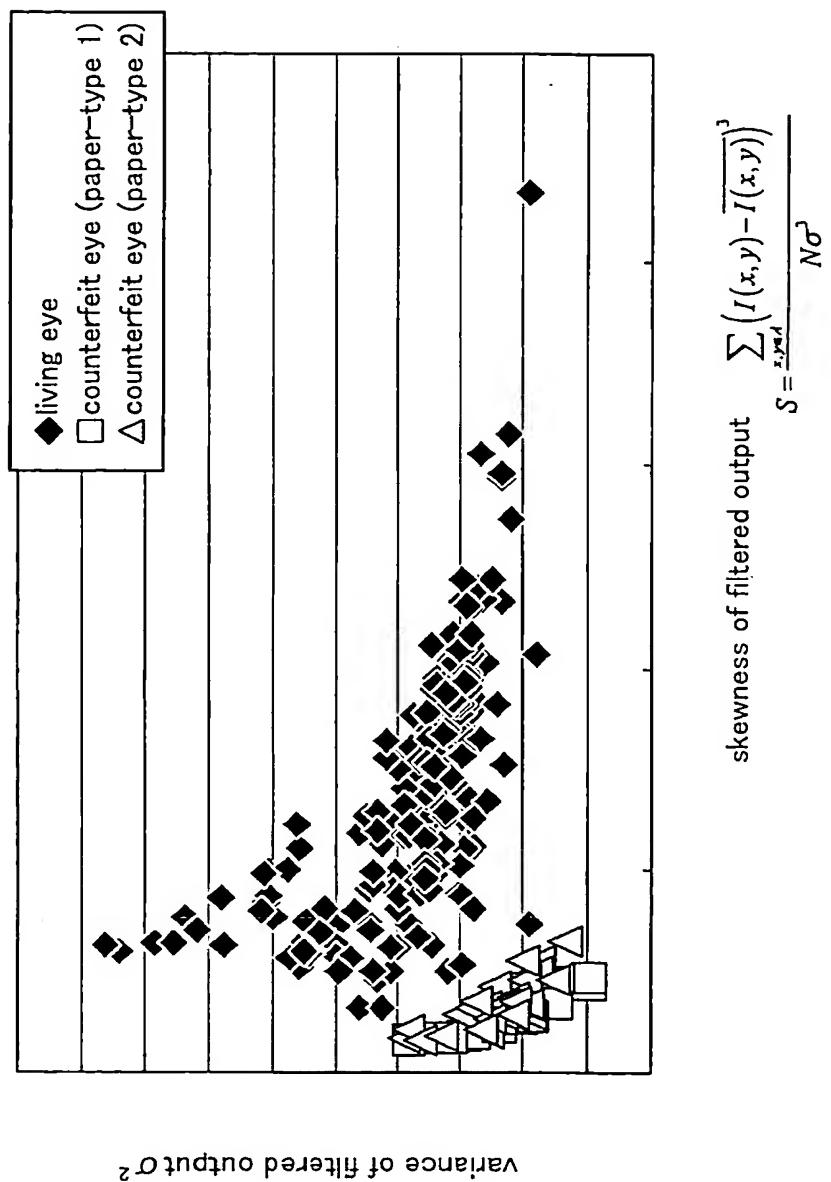
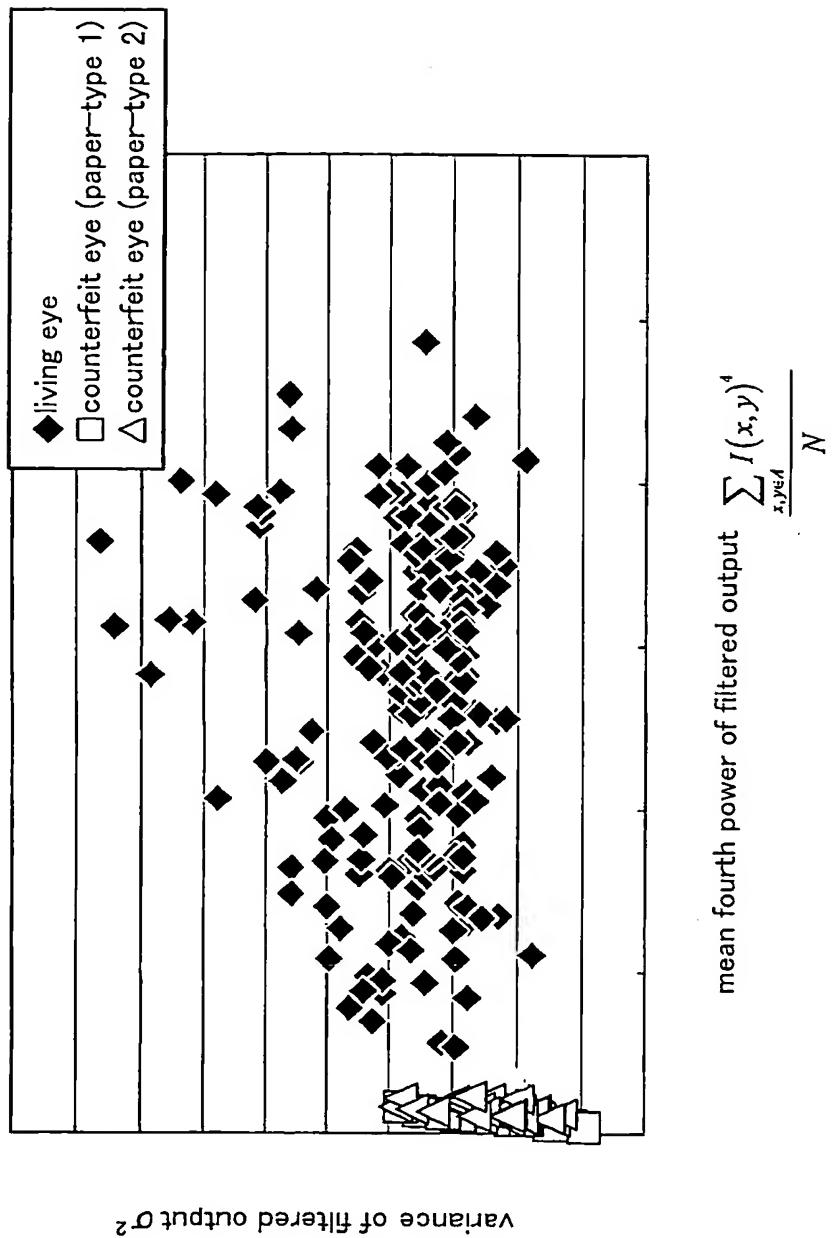


FIG.12



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FIG. 13

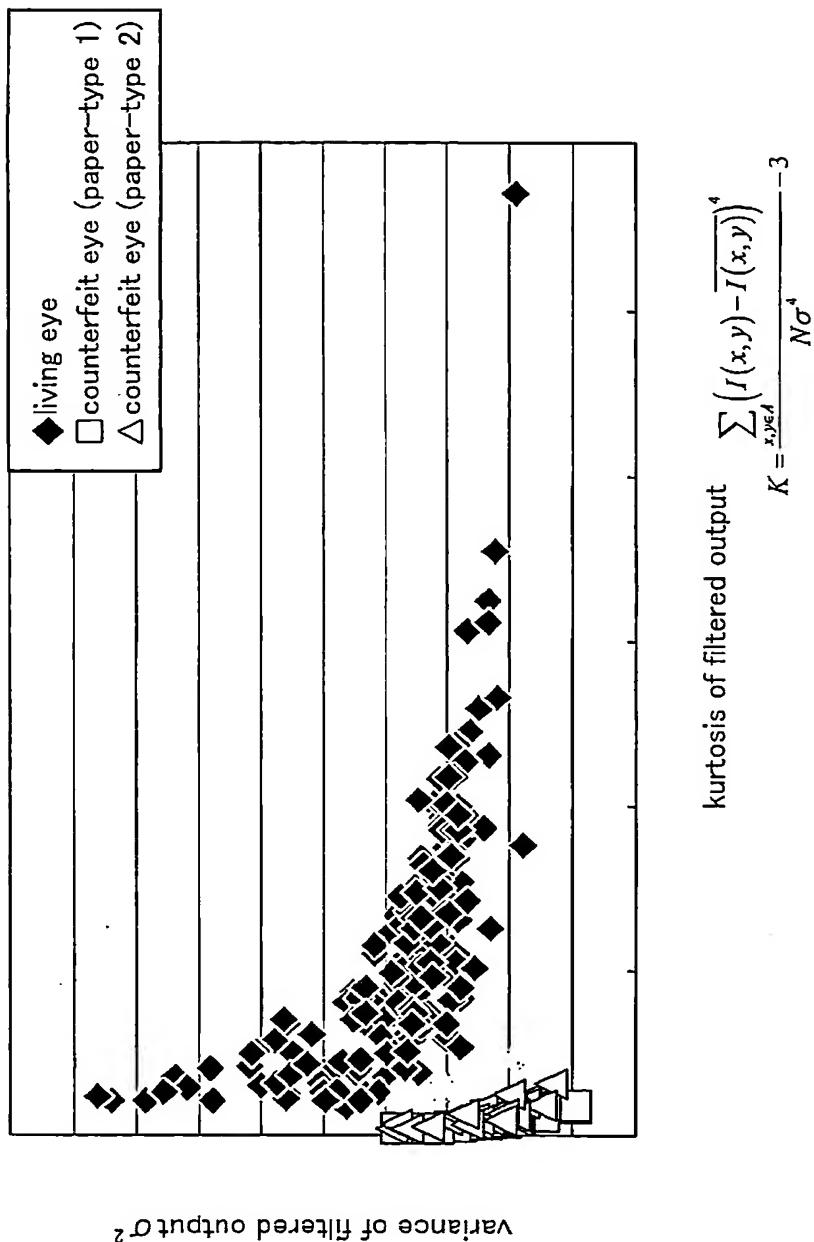
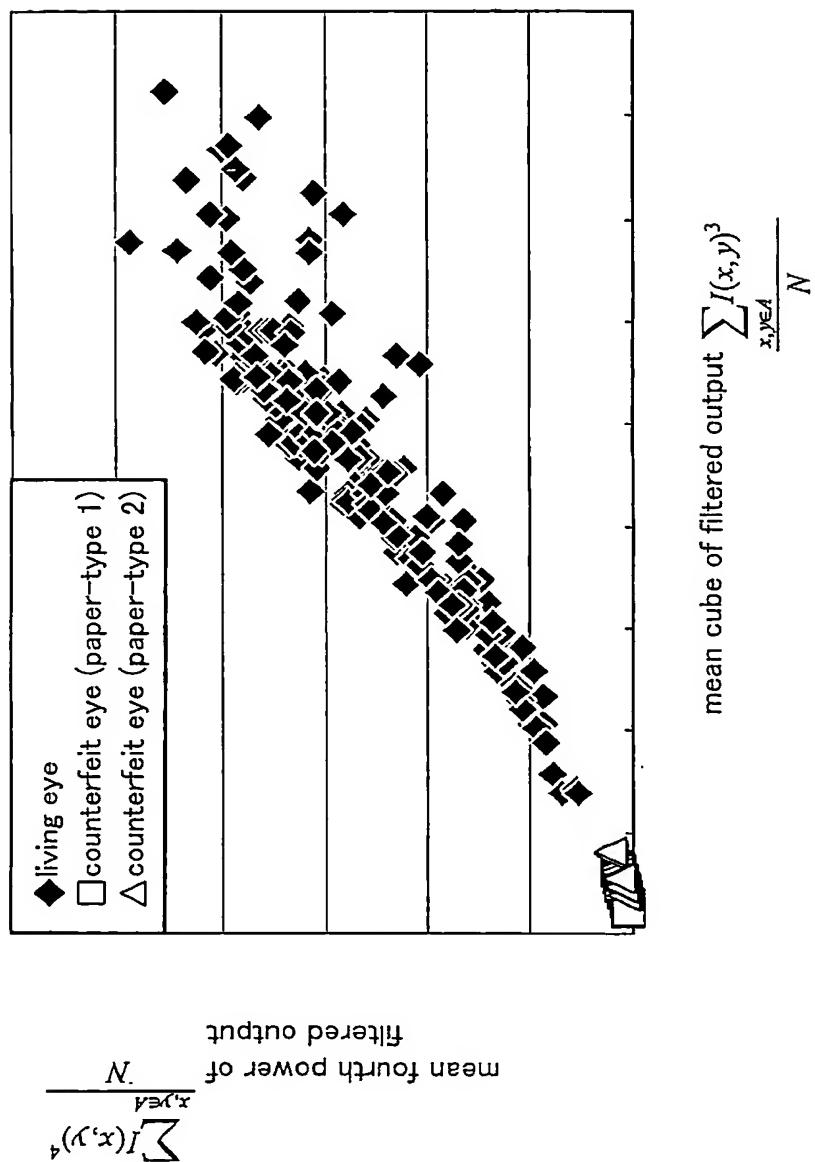


FIG.14



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FIG.15

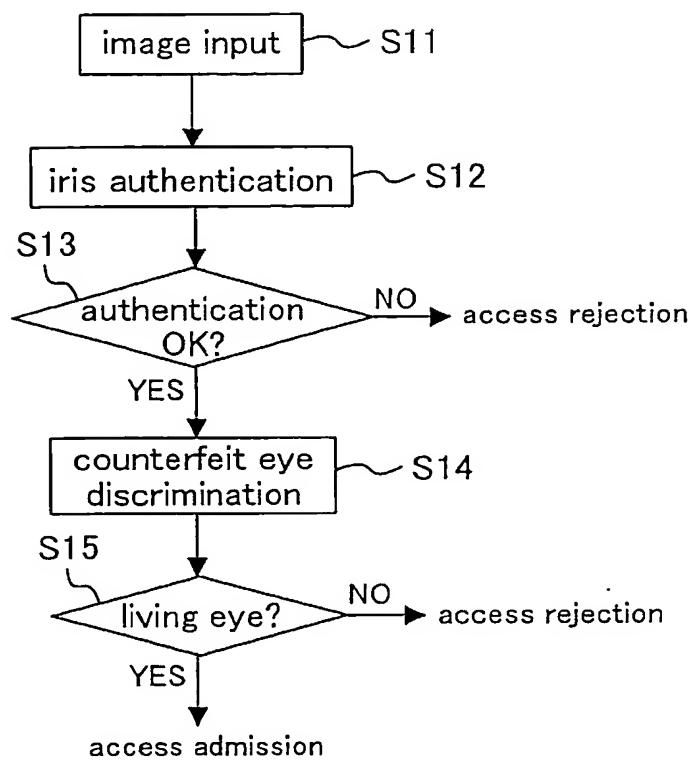


FIG.16

